AMENDMENTS TO THE CLAIMS

The following claim listing replaces all prior listings and versions thereof.

- 1. (Original) A retractable barrel comprising:
- a rear holder configured to hold a rear optical element on an axis, said rear holder comprising a recess;

an annular member movable along the axis towards and away from said rear holder without rotation;

a retractable holder, accommodated within the annular member, configured to hold a retractable optical element, the retractable holder being movable between an aligned position where the retractable optical element is aligned with the axis, and a displaced position where the retractable optical element is displaced relative to the axis; and

a position controller configured to control said annular member and retractable holder to move between an operational position spaced from said rear holder with said retractable holder at said aligned position to a retracted position where said rear optical element is accommodated within the inner peripheral surface of the annular member with said retractable holder at said displaced position and where a portion of said rear holder and a portion of said retractable holder are at the same position on said annular member axis;

wherein a movement path of said retractable holder includes an oblique path extending obliquely to the axis; and

wherein said recess configured to prevent said rear holder from interfering with said retractable holder as said retractable holder moves to and from the operational position and the retracted position.

- 2. (Original) The retractable barrel according to claim 1, wherein said recess has a surface inclined in a direction of movement of said retractable holder to and from the operational position or the retracted position.
- 3. (Original) The retractable barrel according to claim 1, wherein said retractable holder comprises a ring member, and wherein said recess has a radius orthogonal to said annular member axis which is the substantially the same or larger than the radius of said ring member.
- 4. (Original) The retractable barrel according to claim 1, wherein said retractable member comprises a swingable member which is rotatably supported on a pivot parallel to said support member axis to be swingable about said pivot.
- 5. (Original) The retractable barrel according to claim 1, wherein said rear holder is substantially a rectangular shape and includes a front end surface and four side surfaces which extend rearward from said front end surface to surround the axis; and

wherein said recess is on an area of said rear holder which extends over said front end surface and at least one of said four side surfaces.

- 6. (Original) The retractable barrel according to claim 1, wherein said rear holder is movable along said photographing axis.
 - 7. (Original) The retractable barrel according to claim 6, further comprising:

at least one guide shaft located outside said annular member to extend substantially parallel to the axis; and

wherein said rear holder includes at least one radial arm portion which projects radially outwards from said rear holder, said rear holder independently movable and guided by said at least one guide shaft in the axis direction.

8. (Original) The retractable barrel according to claim 7, wherein said rear holder has a pair of radial arm portions which project radially outwards in substantially opposite directions away from each other; and

wherein the retractable barrel further comprises a pair of guide shafts configured to respectively guide said pair of radial arm portions.

- 9. (Original) The retractable barrel according to claim 6, further comprising:
- a stopper located on a side of the rear holder remote from said annular member, said stopper configured to set a movement limit of said rear holder; and a controller configured to control movement of said rear holder to said movement limit before commencement of movement of said annular member and retractable holder from said operational position to said retracted position.
- 10. (Original) The retracting lens barrel according to claim 1, wherein the retractable lens barrel is incorporated in a camera.
 - 11. (Original) A retractable lens comprising:

an optical system including a first optical element and a second optical element;

a linearly movable ring configured to be guided along an optical axis of said optical system, and further configured to retract along said optical axis when said lens changes from an operational state to a retracted state;

a retractable holder configured to hold said first optical element, said retractable holder retractable to a radially retracted position deviating from said optical axis;

a rear holder which includes a ring-shaped portion configured to hold said second optical element therein; and

a position-controller configured to control movement of said retractable holder in association with movement of said linearly movable ring along said optical axis, such that said retractable holder is positioned on said optical axis in front of said second optical element when said lens is in said operational state, and such that said first optical element is positioned at said radially retracted position radially outside said ring-shaped portion when said lens is in said retracted state,

wherein said ring-shaped portion of said rear holder comprises an oblique surface which is inclined with respect to said optical axis direction such that said oblique surface extends in a radially outward direction from said optical axis while extending rearward in said optical axis direction.

wherein a part of said retractable holder moves obliquely rearward while proximately over said oblique surface, when said retractable holder moves to said radially retracted position from a position along said optical axis.

- 12. (Original) The retractable lens according to claim 11, wherein said retractable holder comprises a swingable portion which is rotatably supported on a pivot substantially parallel to said optical axis, and is swingable about said pivot.
- 13. (Original) The retractable lens according to claim 11, wherein said ring-shaped portion of said rear holder is a substantially rectangular ring shape and includes a front end surface and four side surfaces which extend rearward from said front end surface to surround said optical axis, and

wherein said oblique surface of said ring-shaped portion is formed on an area on said ring-shaped portion which extends over said front end surface and at least one of said four side surfaces.

- 14. (Original) The retractable lens according to claim 11, further comprising:
- at least one guide shaft positioned outside said linearly movable ring and extends substantially parallel to said optical axis; and

at least one radial arm portion which projects radially outwards from said ring-shaped portion of said rear holder to be guided substantially in said optical axis direction,

wherein said rear holder is movable in said optical axis direction independently of said retractable holder.

15. (Original) The retractable lens according to claim 14, wherein said radial arm portion comprises a pair of radial arm portions which project radially outwards in substantially opposite directions away from each other, and

wherein said guide shaft comprises a pair of guide shafts which are configured to be guided in said optical axis direction by said pair of radial arm portions, respectively.

- 16. (Original) The retractable lens according to claim 14, further comprising:
- a stopper positioned behind said rear holder, said stopper configured to set a rear movement limit of said rear holder; and

a controller configured to control movement of said rear holder such that said rear holder retracts to said rear movement limit thereof before commencement of movement of at least said retractable holder in a direction to move said first optical element to said radially retracted position when said photographing lens moves from said operational state to said retracted state.

17. (Original) The retractable lens according to claim 11, wherein said first optical element comprises a lens group,

wherein said retractable holder comprises a cylindrical lens holder portion which holds said lens group, and

wherein said oblique surface is a concave surface which substantially corresponds to the shape of an outer surface of said cylindrical lens holder portion.

18. (Original) A retractable lens comprising:

an optical system including a first optical element and a second optical element;

a linearly movable ring configured to be guided along an optical axis of said optical system, and said linearly movable ring retracting along said optical axis when said lens moves from an operational state to a retracted state;

a swingable member configured to be pivoted on a pivot substantially parallel to said optical axis, and to be swingable about said pivot, said swingable member positioned inside and supported by said linearly movable ring, said swingable member configured to hold said first optical element at a position deviating from said optical axis;

a rear holder including a ring-shaped portion holding said second optical element therein; and

a position-controller configured to control rotation of said swingable member about said pivot in association with movement of said linearly movable ring along said optical axis such that said front optical element is positioned on said optical axis in front of said rear optical element when said lens is in said operational state, and such that said front optical element is

positioned at a radially retracted position radially outside said ring-shaped portion when said lens is in said retracted state,

wherein said ring-shaped portion of said rear holder includes an oblique surface inclined with respect to said optical axis direction such that said oblique surface extends in a radially outward direction from said optical axis while extending rearward in said optical axis direction,

wherein a part of said swingable member moves obliquely rearward while proximately passing over said oblique surface, when said swingable member rotates about said pivot to move said first optical element to said radially retracted position from a position on said optical axis.

19. (Currently Amended) A digital camera having a body, an image pickup device, and a retractable barrel and an image display panel affixed to the body for displaying an image picked up by the image pickup device, the image pickup device and retractable barrel housed within the body, the retractable barrel comprising:

a rearward holder configured to hold a rearward optical element on an axis, said rearward holder comprising a recess;

an annular member movable along the axis towards and away from said rearward holder;

a retractable holder, generally accommodated within the annular member, configured to hold a retractable optical element, the retractable holder being movable between an aligned position where the retractable optical element is aligned with the axis, and a displaced position where the retractable optical element is displaced relative to the axis; and

a position controller configured to control said annular member and retractable holder to move between an operational position spaced from said rearward holder with said retractable holder at said aligned position to a retracted position where said rearward optical element is

accommodated within the inner peripheral surface of the annular member with said retractable holder at said displaced position and where a portion of said rearward holder and a portion of said retractable holder are at generally the same position on the axis;

wherein a movement path of said retractable holder includes an oblique path extending obliquely to the axis; and

wherein said recess configured to prevent said rearward holder from interfering with said retractable holder as said retractable holder moves to and from the operational position and the retracted position.

- 20. (Previously Presented) The camera according to claim 19, wherein said recess has a surface inclined in a direction of movement of said retractable holder to and from the operational position or the retracted position.
- 21. (Previously Presented) The camera according to claim 19, wherein said retractable holder comprises a ring member, and wherein said recess has a radius orthogonal to said annular member axis which is generally the same or larger than the radius of said ring member.
- 22. (Previously Presented) The camera according to claim 19, wherein said retractable member comprises a swingable member which is rotatably supported on a pivot parallel to said support member axis to be swingable about said pivot.
- 23. (Previously Presented) The camera according to claim 19, wherein said rearward holder is a generally rectangular shape and includes a front end surface and four side surfaces which extend rearward from said front end surface to surround the axis; and

wherein said recess is on an area of said rearward holder which extends over said front end surface and at least one of said four side surfaces.

- 24. (Previously Presented) The camera according to claim 19, wherein said rearward holder is movable along said photographing axis.
- 25. (Previously Presented) The camera according to claim 24, wherein said retractable barrel further comprises at least one guide shaft located outside said annular member to extend substantially parallel to the axis, wherein said rearward holder includes at least one radial arm portion which projects radially outwards from said rearward holder, said rearward holder independently movable and guided by said at least one guide shaft in the axis direction.
 - 26. (Previously Presented) The camera according to claim 25, wherein:

said rearward holder has a pair of radial arm portions which project radially outwards in generally opposite directions away from each other; and

said retractable barrel further comprises a pair of guide shafts configured to respectively guide said pair of radial arm portions.

- 27. (Previously Presented) The camera according to claim 24, further comprising:
- a stopper located on a side of the rearward holder remote from said annular member, said stopper configured to set a movement limit of said rearward holder; and

a controller configured to control movement of said rearward holder to said movement limit before commencement of movement of said annular member and retractable holder from said operational position to said retracted position.